

## Product datasheet for **TA813795S**

### IL3RA Mouse Monoclonal Antibody [Clone ID: OTI10D1]

#### Product data:

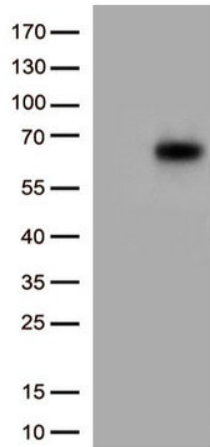
|                         |  |
|-------------------------|--|
| Product Type:           | Primary Antibodies   |
| Clone Name:             | OTI10D1  |
| Applications:           | FC, WB   |
| Recommended Dilution:   | WB 1:250-1000, FLOW 1:100  |
| Reactivity:             | Human  |
| Host:                   | Mouse  |
| Isotype:                | IgG2b  |
| Clonality:              | Monoclonal   |
| Immunogen:              | Full length human recombinant protein of human IL3RA (NP_002174) produced in HEK293T cell.   |
| Formulation:            | PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.   |
| Concentration:          | 1 mg/ml  |
| Purification:           | Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)  |
| Conjugation:            | Unconjugated   |
| Storage:                | Shipped at -20°C or with ice packs, Upon delivery store at -20°C. Dilute in PBS(pH7.3) if necessary. Stable for 12 months from date of receipt. Avoid repeated freeze-thaws. |
| Stability:              | Stable for 12 months from date of receipt.   |
| Predicted Protein Size: | 43.33 kDa  |
| Gene Name:              | interleukin 3 receptor subunit alpha   |
| Database Link:          | <a href="#">NP_002174</a><br><a href="#">Entrez Gene 3563 Human</a><br><a href="#">P26951</a>  |
| Background:             | This is a receptor for interleukin-3. [UniProtKB/Swiss-Prot Function]  |
| Synonyms:               | CD123; hIL-3Ra; IL3R; IL3RAY; IL3RX; IL3RY   |
| Protein Families:       | Transmembrane  |



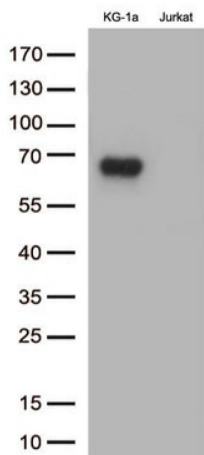
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**Protein Pathways:** Apoptosis, Cytokine-cytokine receptor interaction, Hematopoietic cell lineage, Jak-STAT signaling pathway

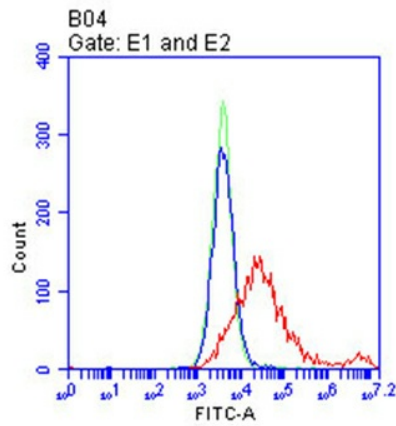
**Product images:**



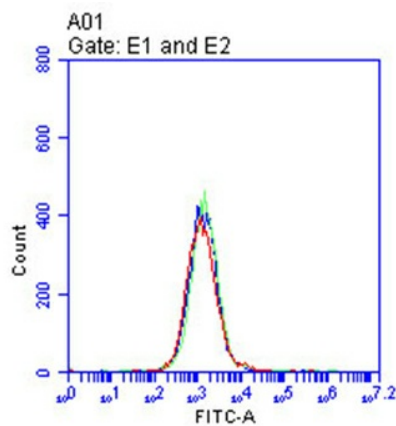
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY IL3RA ([RC206420], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-IL3RA.(1:1000)



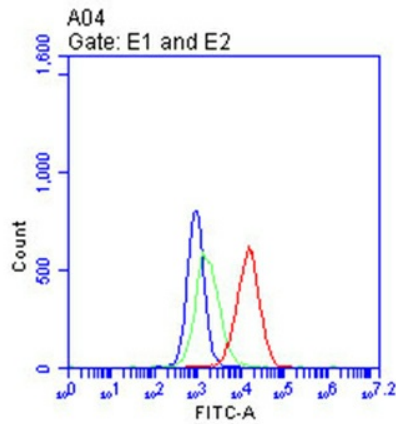
Western blot analysis of extracts (35ug) from 2 cell lines lysates by using anti-IL3RA monoclonal antibody. (1:250)



Flow cytometric analysis of living 293T cells transfected with IL3RA overexpression plasmid ([RC206420]), Red)/empty vector ([PS100001], Blue) using anti-IL3RA antibody ([TA813795]). Cells incubated with a non-specific antibody (Green) were used as isotype control. 1:100



Flow cytometric analysis of living Jurkat cells, using anti-IL3RA antibody([TA813795], Red), compared to an isotype control (green), and a PBS control (blue).(1:100)



Flow cytometric analysis of living KG-1a cells, using anti-IL3RA antibody([TA813795], Red), compared to an isotype control (green), and a PBS control (blue).(1:100)